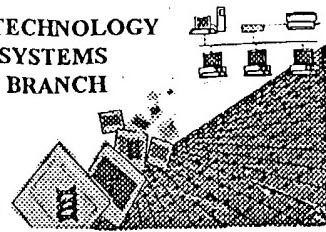


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/718,194
Source: 1Fwo
Date Processed by STIC: 9/23/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04): U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/718,194

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleic
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. **Do not use tab codes between numbers; use space characters**, instead.
- 4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for **each** skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for **each** skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name: (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220>
→ Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses
Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n/Xaa "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/718,194

DATE: 09/23/2004

TIME: 13:55:30

Input Set : A:\60020240-0022.ST25.txt
 Output Set: N:\CRF4\09232004\J718194.raw

3 <110> APPLICANT: Singulex, Inc.
 4 Puskas, Robert S.
 6 <120> TITLE OF INVENTION: Detection of Defined Highly Labeled Probes
 8 <130> FILE REFERENCE: 60020240-0022
 10 <140> CURRENT APPLICATION NUMBER: 10/718,194
 11 <141> CURRENT FILING DATE: 2003-11-19
 13 <150> PRIOR APPLICATION NUMBER: 60/427,232
 14 <151> PRIOR FILING DATE: 2002-11-19
 16 <150> PRIOR APPLICATION NUMBER: 60/427,233
 17 <151> PRIOR FILING DATE: 2002-11-19
 19 <150> PRIOR APPLICATION NUMBER: 60/427,234
 20 <151> PRIOR FILING DATE: 2002-11-19
 22 <160> NUMBER OF SEQ ID NOS: 11
 24 <170> SOFTWARE: PatentIn version 3.3
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 56
 28 <212> TYPE: DNA
 29 <213> ORGANISM: Artificial Sequence
 31 <220> FEATURE:
 32 <223> OTHER INFORMATION: LNA/DNA
 35 <220> FEATURE:
 36 <221> NAME/KEY: misc_feature
 37 <222> LOCATION: (21)..(36)
 38 <223> OTHER INFORMATION: LNA
 40 <400> SEQUENCE: 1
 41 gctcaggaac aaagaaacgc agggagagag gaaggaattc accagtacaca cgacca
 44 <210> SEQ ID NO: 2
 45 <211> LENGTH: 56
 46 <212> TYPE: DNA
 47 <213> ORGANISM: Artificial
 49 <220> FEATURE:
 50 <223> OTHER INFORMATION: LNA/DNA
 53 <220> FEATURE:
 54 <221> NAME/KEY: misc_feature
 55 <222> LOCATION: (21)..(36)
 56 <223> OTHER INFORMATION: LNA
 58 <400> SEQUENCE: 2
 59 cagtaacaga tacaaactca agggagagag gaaggaattc accagtacaca cgacca
 62 <210> SEQ ID NO: 3
 63 <211> LENGTH: 17
 64 <212> TYPE: DNA
 65 <213> ORGANISM: Artificial sequence
 67 <220> FEATURE:

Does Not Comply
Corrected Diskette Needed

pp 1-3

give source of genetic material as explanation
for Artificial Sequence
(see item 11 on
Error summary
sheet)

56

Sheet

56

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/718,194

DATE: 09/23/2004
TIME: 13:55:30

Input Set : A:\60020240-0022.ST25.txt
Output Set: N:\CRF4\09232004\J718194.raw

68 <223> OTHER INFORMATION: LNA/DNA - Blocking Oligo
 71 <220> FEATURE:
W--> 72 <221> NAME/KEY: LNA
 73 <222> LOCATION: (1)..(17) 17
 75 <400> SEQUENCE: 3
 76 ctccttcctc tctccct
 79 <210> SEQ ID NO: 4
 80 <211> LENGTH: 20
 81 <212> TYPE: DNA
 82 <213> ORGANISM: Artificial
 84 <220> FEATURE:
 85 <223> OTHER INFORMATION: LNA/DNA - DNA Antisense Primer
 87 <400> SEQUENCE: 4 20
 88 attgatgccatctttcagc
 91 <210> SEQ ID NO: 5
 92 <211> LENGTH: 20
 93 <212> TYPE: DNA
 94 <213> ORGANISM: Artificial
 96 <220> FEATURE:
 97 <223> OTHER INFORMATION: DNA Antisense Primer
 99 <400> SEQUENCE: 5
 100 ggtgctgcta tcgatggttt 20
 103 <210> SEQ ID NO: 6
 104 <211> LENGTH: 22
 105 <212> TYPE: DNA
 106 <213> ORGANISM: Artificial
 108 <220> FEATURE:
 109 <223> OTHER INFORMATION: Sequence specific single-stranded probe
 111 <400> SEQUENCE: 6
 112 ggtcagtgccttgagtaaca gt 22
 115 <210> SEQ ID NO: 7
 116 <211> LENGTH: 35
 117 <212> TYPE: DNA
 118 <213> ORGANISM: Artificial
 120 <220> FEATURE:
121 <223> OTHER INFORMATION: DNA/LNA
 124 <220> FEATURE:
W--> 125 <221> NAME/KEY: LNA
 126 <222> LOCATION: (2)..(2)
 128 <220> FEATURE:
W--> 129 <221> NAME/KEY: LNA
 130 <222> LOCATION: (5)..(5)
 132 <220> FEATURE:
W--> 133 <221> NAME/KEY: LNA
 134 <222> LOCATION: (8)..(8)
 136 <220> FEATURE:
W--> 137 <221> NAME/KEY: LNA
 138 <222> LOCATION: (11)..(11)
 140 <220> FEATURE:

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/718,194

DATE: 09/23/2004

TIME: 13:55:30

Input Set : A:\60020240-0022.ST25.txt
 Output Set: N:\CRF4\09232004\J718194.raw

```

W--> 141 <221> NAME/KEY: LNA
142 <222> LOCATION: (14)..(14)
144 <220> FEATURE:
W--> 145 <221> NAME/KEY: LNA
146 <222> LOCATION: (17)..(17)
148 <220> FEATURE:
W--> 149 <221> NAME/KEY: LNA
150 <222> LOCATION: (23)..(23)
152 <400> SEQUENCE: 7
153 aggaaagaaa gcgaaaggag gctgccagcg acgag 35
156 <210> SEQ ID NO: 8
157 <211> LENGTH: 19
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial
161 <220> FEATURE:
162 <223> OTHER INFORMATION: DNA/LNA
164 <400> SEQUENCE: 8
165 cgacggtcgc tgctctcga 19
168 <210> SEQ ID NO: 9
169 <211> LENGTH: 20
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial
173 <220> FEATURE:
174 <223> OTHER INFORMATION: DNA Sense strand primer
176 <400> SEQUENCE: 9
177 attcaccagt cacacgacca 20
180 <210> SEQ ID NO: 10
181 <211> LENGTH: 20
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial
185 <220> FEATURE:
186 <223> OTHER INFORMATION: DNA Antisense Primer
188 <400> SEQUENCE: 10
189 aagccggagg ttaaaaaggt 20
192 <210> SEQ ID NO: 11
193 <211> LENGTH: 20
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial
197 <220> FEATURE:
198 <223> OTHER INFORMATION: DNA Antisense Primer
200 <400> SEQUENCE: 11
201 ggtgctgcta tcgatggttt 20

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/718,194

DATE: 09/23/2004
TIME: 13:55:31

Input Set : A:\60020240-0022.ST25.txt
Output Set: N:\CRF4\09232004\J718194.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:2,4,5,6,7,8,9,10,11

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/718,194

DATE: 09/23/2004

TIME: 13:55:31

Input Set : A:\60020240-0022.ST25.txt
Output Set: N:\CRF4\09232004\J718194.raw

L:72 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:125 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
L:129 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
L:133 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
L:137 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
L:141 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
L:145 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
L:149 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7